

AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2. (Currently Amended) An apparatus according to Claim 1, characterised in for separating amalgam from dental sewage, said apparatus having a flow zone and a sedimentation zone arranged in a housing, said housing comprising:

an aperture for sewage supply;

an aperture for sewage discharge;

an inlet chamber;

a passage chamber containing a separator made of a plurality of layers of synthetic foil;

an outlet chamber; and

stands having a hollow interior;

that the hollow interior of such stands (13, 14) contains at least one pressure chamber (72) which is combined with pressure sensors (75, 76) measuring any pressure changes,
said housing being sealed in a liquid-proof manner except for said sewage supply
aperture and said sewage discharge aperture.

3. (Currently Amended) An apparatus according to Claims 1 or 2 claim 2, characterised in that the inlet chamber (40), the passage chamber (50) with the separator (30) and the outlet chamber (60) are arranged horizontally one after the other as seen in flow direction, and with the sewage inlet-supply (41) and the sewage outlet-discharge (61) arranged in the highest position of the inlet chamber (40) and the outlet chamber (60) respectively.

4. (Cancelled)

5. (Currently Amended) An apparatus according to claim 12, characterised in that the separator (30) is a form body which can be streamed through consisting of several tight fitting layers

ofwherein said structured plastic foil is a structured foil (32) and a plain foil (34)-that are arranged alternatingly.

6. (Currently Amended) An apparatus according to claim 422, ~~characterised in that the separator (30) forming a form body consists of~~ wherein said structured plastic foil is a wound structured foil (32)-or a structured foil (32)-wound in combination with a plain foil-(34).

7. (Currently Amended) An apparatus according to claim 422, ~~characterised in that the separator (30) forming a form body consists of~~ wherein said layers of structured plastic foil are tubular elements made of structured foil-(32), or structured foil (32) and plain foil-(34), which are slit into each other.

8. (Currently Amended) An apparatus according to claim 422, ~~characterised in that~~ wherein the structured plastic foil (32)-provides continuous longitudinal structures as seen in the flow direction of the sewage.

9. (Currently Amended) An apparatus according to claim 422, ~~characterised in that~~wherein the structured plastic foil (32)-provides a plissé structure consisting of triangles, quadrangles, or trapezia.

10. (Currently Amended) An apparatus according to claim 422, ~~characterised in that~~wherein the structured plastic foil (32)-provides lamellar, honeycombed or riffle structures or scattered raised points or indentations.

11. (Currently Amended) An apparatus according to claim 422, ~~characterised in that~~wherein the sedimentation surfaces of the structured foil (32)-are roughened.

12. (Currently Amended) An apparatus according to claim 12, ~~characterised in that wherein~~ a perforated plate (20) is arranged between the inlet chamber (40) and the passage chamber (50), the holes (21) of which provide sinkings (22) on the side that faces the flow.

13. (Currently Amended) An apparatus according to claim 12, ~~characterised in that wherein~~ the inlet chamber (40) provides a flow guidance element (42) that is arranged in the upper area of the inlet chamber (40).

14. (Currently Amended) An apparatus according to claim 12, ~~characterised in that wherein~~ in the uppermost position of the passage chamber (50), above the separator (30), a vent channel (51) is arranged which has a connection to the sewage outlet (61) in the outlet chamber (60).

15. (Currently Amended) An apparatus according to claim 12, ~~characterised in that wherein~~ the sewage outlet (61) provides a flow regulator (62).

16. (Currently Amended) An apparatus according to claim 12, ~~characterised in that wherein~~ the pressure chamber (72) provided in a stand (13, 14) comprises a gas-impermeable, elastic foil (71).

17. (Currently Amended) An apparatus according to claim 12, ~~characterised in that wherein~~ the pressure chamber (72) contains air or another gas and is slightly pressurized.

18. (Currently Amended) An apparatus according to claim 12, ~~characterised in that wherein the a~~ level meter (70) is connected with the pressure chamber (72) in a pressure-sensory manner.

19. (Currently Amended) An apparatus according to claim 12, ~~characterised in that wherein~~ the cross-sectional area of the separator (30) is round, oval or square.

20. (Currently Amended) An apparatus according to claim 122, ~~characterised in that~~ wherein the cross-sectional area of the housing (10) is round, oval or square.

21. (Cancelled)

22. (New) An apparatus for separating amalgam from dental sewage said apparatus having a flow zone and a sedimentation zone arranged in a housing, said housing comprising:

an aperture for sewage supply;

an aperture for sewage discharge;

an inlet chamber;

a passage chamber containing a separator made of a plurality of layers of synthetic foil;

an outlet chamber; and

stands;

said separator being a form body which can be streamed through and includes several tight fitting layers of a structured plastic foil, the form body being fixed in the passage chamber, whereby the apparatus consists of recyclable synthetic material,

said housing being sealed in a liquid-proof manner except for said sewage supply aperture and said sewage discharge aperture.